Mission Trails Pedestrian Bridge

The Mission Trails Regional Park lies west of the intersection of Mission Gorge road and Father Junipero Serra Trail in San Diego. It is about 7,220-acres with nearly 65 miles of trails full of history. The location at which Lenail lost his life does not have any structures to allow hikers to cross from one part of the trail to the other. There is a line of stones (north to south) that civilians normally use to cross the river. The construction of a bridge will allow hikers, bikers, runners and all civilians to cross over the river safely.

The project consists of a pedestrian bridge that is to be constructed at least 3 feet above the 100-year flood elevation as well as a total width of 8 ft.

Hydraulics:
100-year flood elevation is approximately 11.5 ft.

Soil Analysis:
100% of the soil composition is Riverwash - Bedrock, Shallow foundation.

Materials and Cost

Bridge Conceptual Plan

Structural Plan

Construction Site

Group 20:
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Truss Me Engineering